

DOCKET NO.: S1448.70001US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Awad et al.
Serial No.: 09/925,231
Confirmation No.: 3651
Filed: August 8, 2001
For: METHOD AND APPARATUS FOR GENERATING A SET
OF FILTER COEFFICIENTS FOR A TIME UPDATED
ADAPTIVE FILTER
Examiner: Lu, Jia
Art Unit: 2634

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 13th day of January, 2005.

Paula K. Fairweather
Paula K. Fairweather

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office Action, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in this application. The fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) is enclosed.

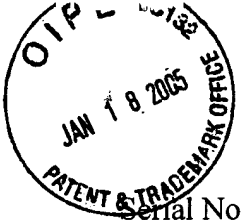
PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

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PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

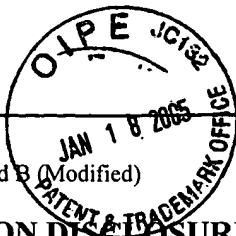
Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,
Awad et al., Applicant

By: William R. McClellan
William R. McClellan, Reg. No. 29,409
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210-2206
Telephone: (617) 646-8000

Docket No.: S1448.70001US00
Date: January 13, 2005
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FORM PTO-1449/A and B (Modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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|-----------------------------|-----------------------------------|
| APPLICATION NO.: 09/925,231 | ATTY. DOCKET NO.: S1448.70001US00 |
| FILING DATE: August 8, 2001 | CONFIRMATION NO.: 3651 |
| APPLICANT: Awad et al. | |
| GROUP ART UNIT: 2634 | EXAMINER: Lu, Jia |

Sheet 1 of 1

U.S. PATENT DOCUMENTS

| Examiner's Initials | Cite No. | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication or of issue of Cited Document MM-DD-YYYY |
|------------------------|-------------|----------------------|--------------|--|--|
| | | Number | Kind Code | | |
| | | 5,117,418 | | Chaffee et al. | 05-26-1992 |
| | | 5,329,587 | | Morgan et al. | 07-12-1994 |
| | | 5,375,147 | | Awata et al. | 12-20-1994 |
| | | 5,526,426 | | McLaughlin | 06-11-1996 |
| | | 6,035,312 | | Hasegawa | 03-07-2000 |
| | | 6,396,872 | B1 | Sugiyama | 05-28-2002 |
| | | 6,437,932 | B1 | Prater et al. | 08-20-2002 |
| | | 6,483,872 | B2 | Nguyen | 11-19-2002 |
| | | 6,744,886 | B1 | Benesty et al. | 06-01-2004 |
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| | | 2003/0072362 | A1 | Awad et al. | 04-17-2003 |

FOREIGN PATENT DOCUMENTS

| Examiner's Initials | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document (not necessary) | Date of Publication of Cited Document MM-DD-YYYY | Translation (Y/N) |
|------------------------|-------------|-------------------------|---------|--------------|---|---|----------------------|
| | | Office/ Country | Number | Kind Code | | | |
| | | EP | 0709958 | A1 | AT&T Corp. | 05-01-1996 | |
| | | EP | 0872962 | A2 | Nokia Mobile Phones Ltd. & Nokia Telecommunications Limited | 10-21-1998 | |
| | | GB | 2164828 | A | International Standard Electric Corporation | 03-26-1986 | |

OTHER ART — NON PATENT LITERATURE DOCUMENTS

| Examiner's Initials | Cite No | Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published. | Translation (Y/N) |
|------------------------|------------|--|----------------------|
| | | DEISHER, M.E. et al., "Practical Considerations in the Implementation of a Frequency-Domain Adaptive Noise Canceller", IEEE Transactions on Circuits and Systems, II; Analog and Digital Signal Processing, IEEE Inc. New York, US, vol. 41, no. 2, Feb. 1, 1994, pp. 164-168, XP000443037 | |

EXAMINER:

DATE CONSIDERED:

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an eIDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]